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Short Paragraph Bio

Kyunghwan Kim is a human-factors engineer and PhD candidate (doctoral researcher) at the German Aerospace Center (DLR). Trained in terrestrial architecture, he has delivered work from early concept and schematic design through construction documents, construction administration, and assistant site-supervision/reporting. He completed the HMONP qualification at ENSA Paris-La Villette, a Master of Advanced Architecture in Barcelona focusing on machine-learning-assisted design, and the Master of Space Studies (MSS) at the International Space University. Since joining SATC around 2018, he has contributed to studies spanning lunar regolith-simulant laser sintering, an Antarctic mission medical support module, and lunar habitat/infrastructure concepts—bridging materials, simulation, and operations. He also co-organized the Space Architecture Symposium during IAC 2022 (Paris). His interests center on standards, reproducible methods, and cross-domain collaboration.

Election Statement — Vision & Objectives as a Future Leader of SATC

Vision. Expand SATC’s collective awareness beyond *habitat concepts* to the broader practice landscape—including ISRU construction, Life Support System, robotics & autonomy, testing & verification, and operations/HSI—and make career routes transparent for members and the public.

Objective 1 — Open-Collaboration Hub

Position SATC as an open-collaboration hub—anchoring mentorship, collaborative projects, and field tours—that turns design, engineering, and operations into shared standards, open methods, and ready-to-use practices.

Objective 2 — Open Governance & Credit

Operate transparently and recognize contributions. Maintain a public roadmap & task board, issue contributor badges, and publish an annual Impact Brief that reports outcomes, adoption, and next steps.

Objective 3 — Practice & Career Mapping

Publish SATC Practice & Career Maps (Update 1–2/year) that chart domains, role types, required skills, entry paths, representative portfolios, and hiring channels—by country and year—to bridge the practice–academia gap and guide early-career members.

Commitment. I will deliver small, cumulative wins—usable templates, transparent governance, and clear maps—that broaden recognition of non-habitat fields and make SATC’s career landscape genuinely navigable.